

SUMMARY OF THE CLAIMS

Claims 1 and 2 (currently amended)

1. (Twice Amended) A liquid crystal display device, comprising:
a pair of insulating substrates bonded via a sealing material, and
liquid crystal filled between said pair of insulating substrates,
wherein a cell gap is formed so as to gradually and continuously increase from a center to
an end of a display area at room temperature.
2. (Twice Amended) A liquid crystal display device, comprising:
a pair of insulating substrates bonded via a sealing material, and
liquid crystal filled between said pair of insulating substrates,
wherein a cell gap is formed so as to gradually and continuously increase from a center to
an end of a display area at room temperature in a range of the cell gap that no irregular
display color appears.

Claims 3-7 (original)

3. The liquid crystal display device as defined in claim 1, wherein in said display area, a cell gap is smaller in the center by less than $0.13\mu\text{m}$ than an average value of cell gaps on an end at room temperature.
4. The liquid crystal display device as defined in claim 1, wherein in said display area, a cell gap is smaller in the center by $0.08\mu\text{m}$ or less than an average value of cell gaps on an end at room temperature.
5. The liquid crystal display device as defined in claim 1, wherein a cell gap is formed so as to gradually increase from the center to an end of said display area at room temperature, and a cell gap is formed so as to gradually decrease from the center to the end of said display area at a high temperature.

6. The liquid crystal display device as defined in claim 3, wherein a cell gap is formed so as to gradually increase from the center to an end of said display area at room temperature, and a cell gap is formed so as to gradually decrease from the center to the end of said display area at a high temperature.

7. The liquid crystal display device as defined in claim 4, wherein a cell gap is formed so as to gradually increase from the center to an end of said display area at room temperature, and a cell gap is formed so as to gradually decrease from the center to the end of said display area at a high temperature.

Claims 8 and 9 (currently amended)

8. (Amended) The liquid crystal display device as defined in claim 1, wherein each of said pair of ~~said~~ insulating substrates is a glass substrate having a thickness of 0.55mm or less.

9. (Amended) The liquid crystal display device as defined in claim 1, wherein each of said pair of ~~said~~ insulating substrates is a plastic substrate having a thickness of 0.55mm or less.

Claims 10-11 (original)

10. The liquid crystal display device as defined in claim 1, wherein said liquid crystal display device is an STN liquid crystal display device.

11. The liquid crystal display device as defined in claim 10, wherein an operating temperature ranges virtually between -20°C and 70°C.

Claim 12 (currently amended)

12. (Twice Amended) A liquid crystal display device, comprising:
a pair of insulating substrates bonded via a sealing material, and
liquid crystal filled between said pair of insulating substrates,

wherein a cell gap is smaller in a center than any other part of a display area at room temperature such that a cell gap difference, which increasingly and continuously gets larger with distance from the center, is set at a predetermined amount between the center and an end of said display area at a high temperature in a range of the cell gap that no display defect occurs.